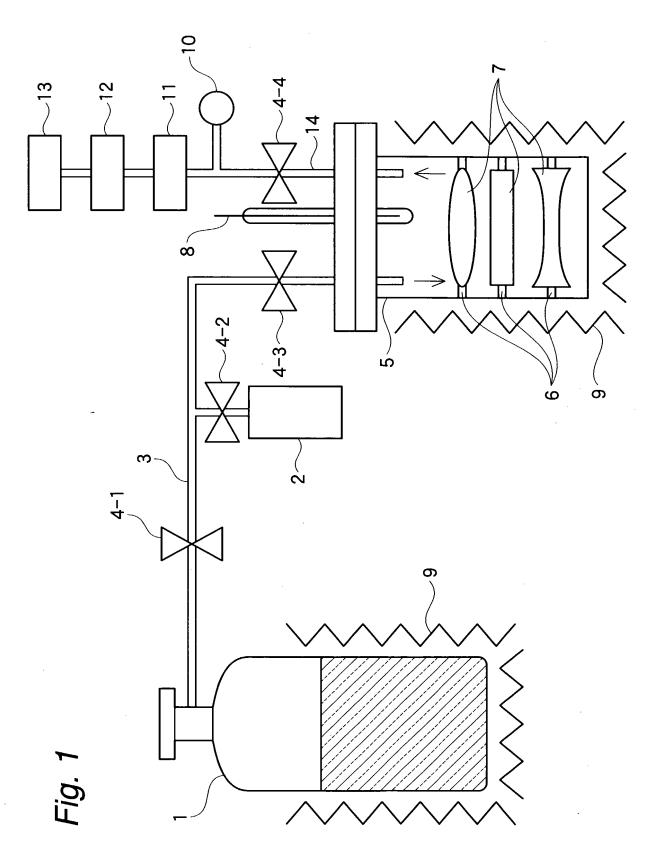
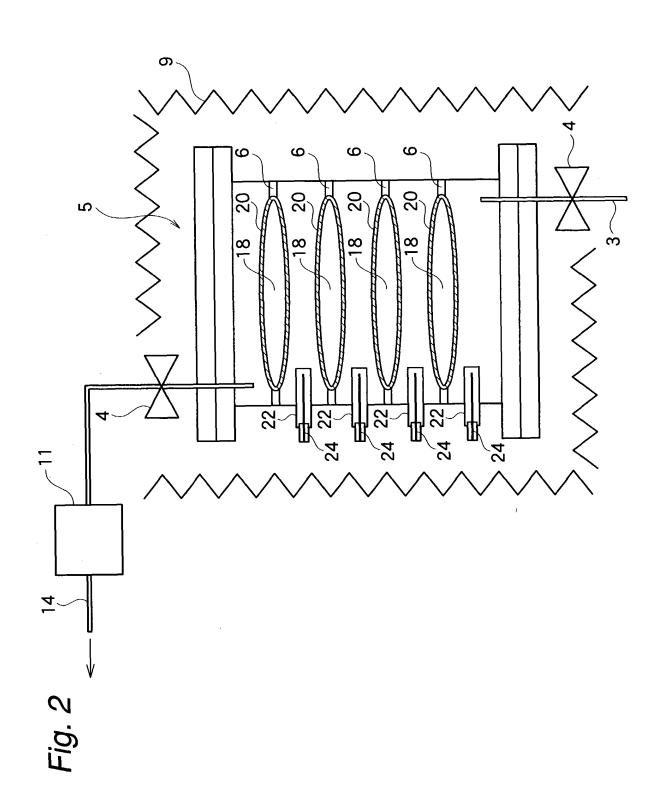
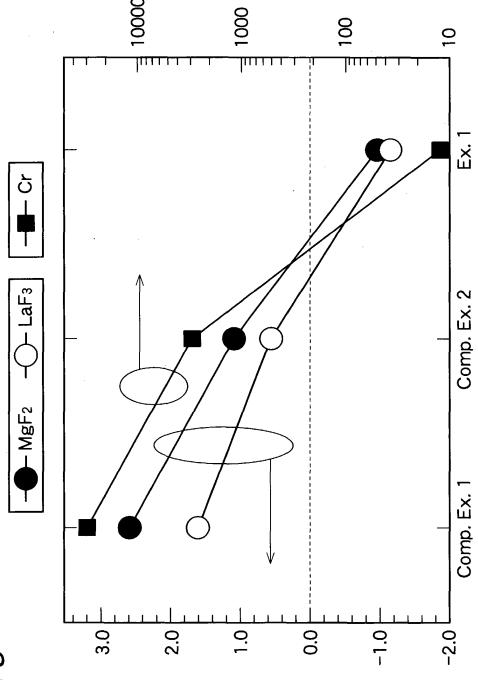
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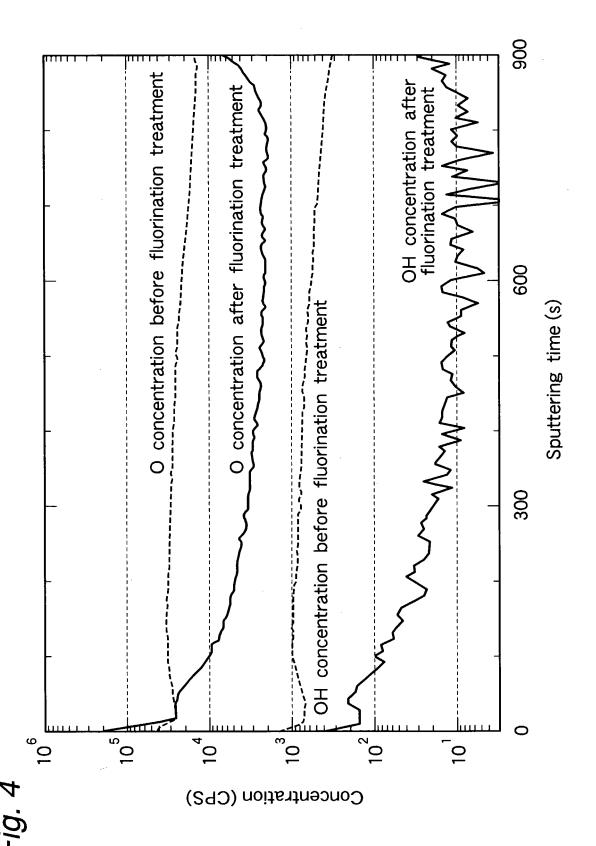
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(Optical loss after fluorination treatment) – (Optical loss before fluorination treatment) (%)



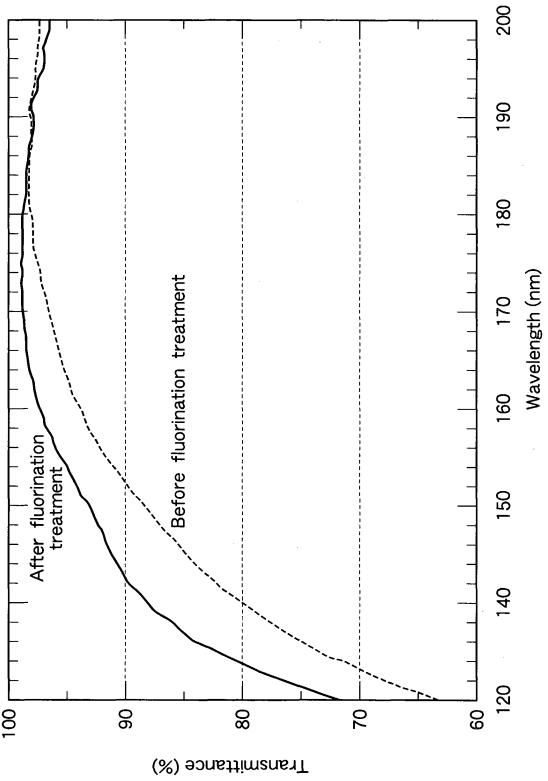
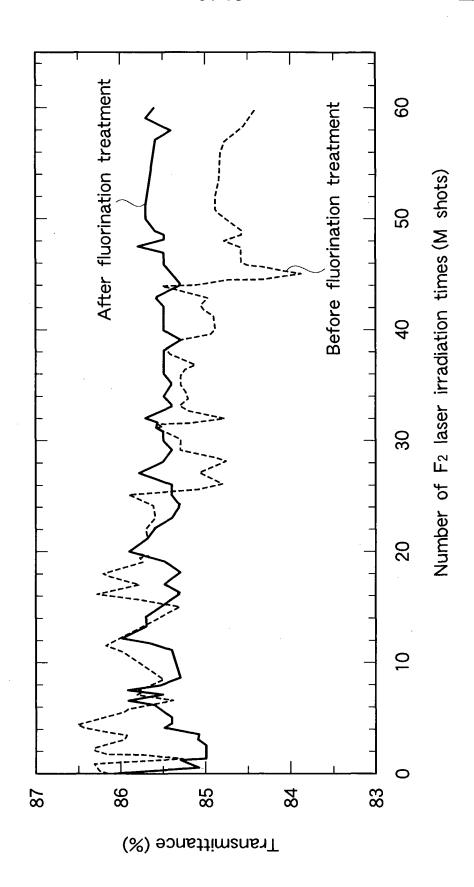


Fig. {

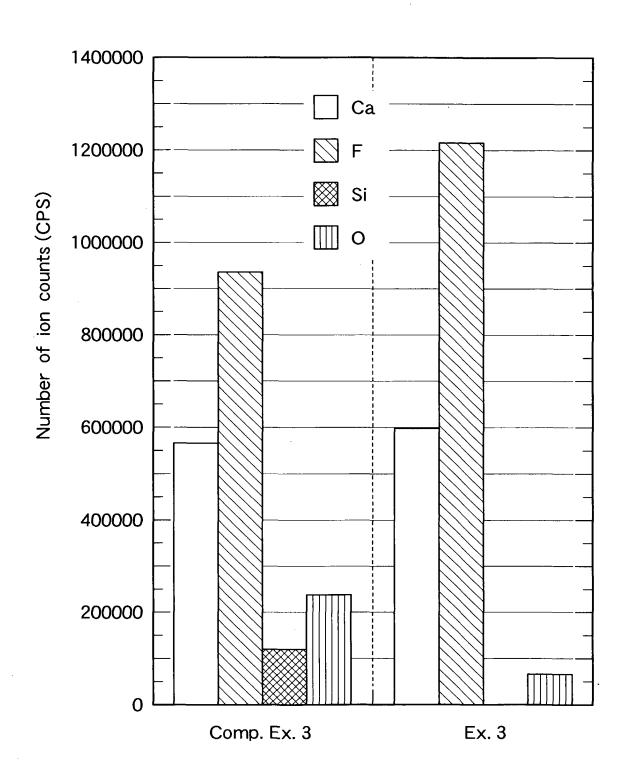
Fig. 6



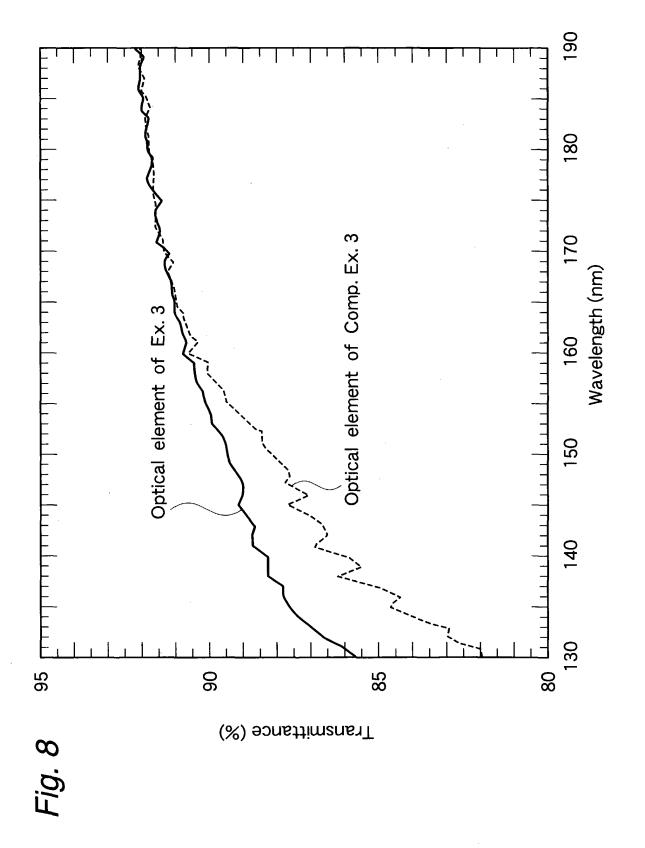
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Fig. 7



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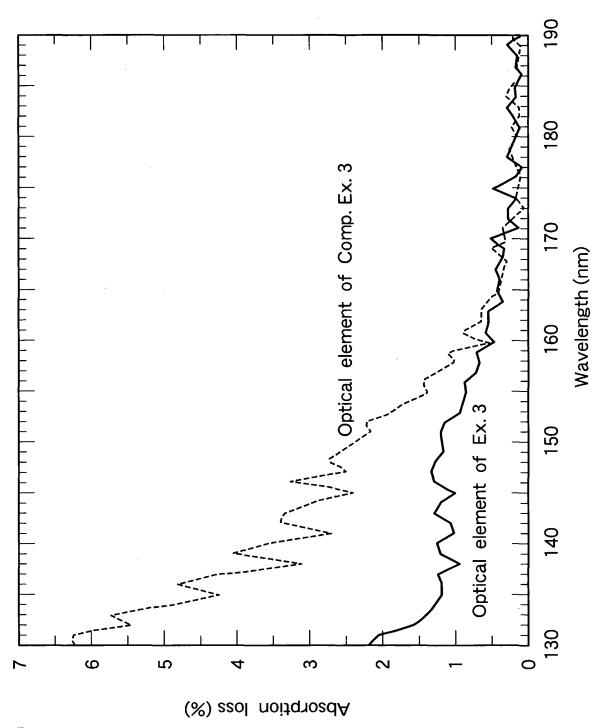
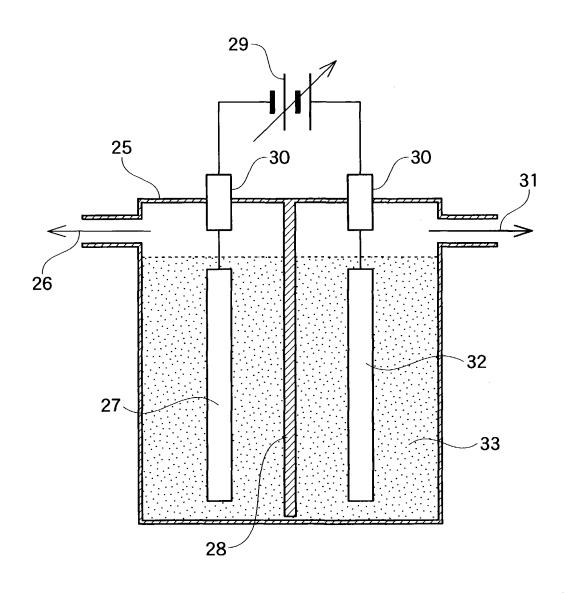


Fig. 9

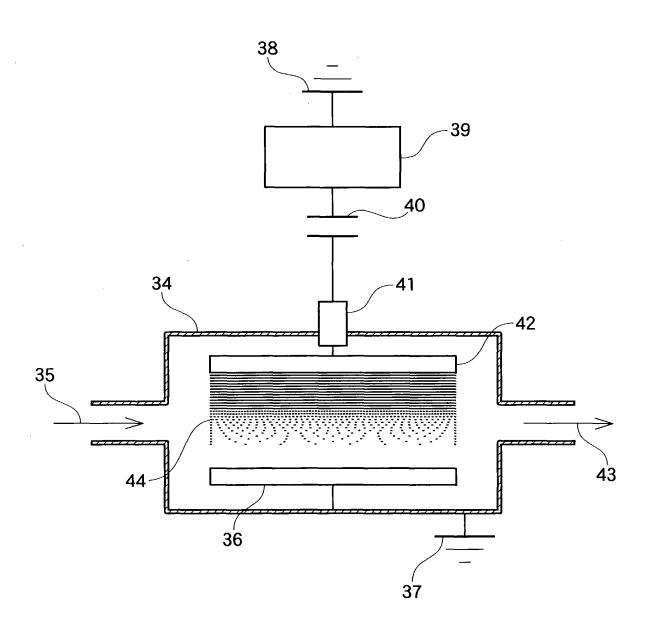
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Fig. 10



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Fig. 11



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Fig. 12

as-depo.

Fluorination treatment (densification)

Present invention



300nm

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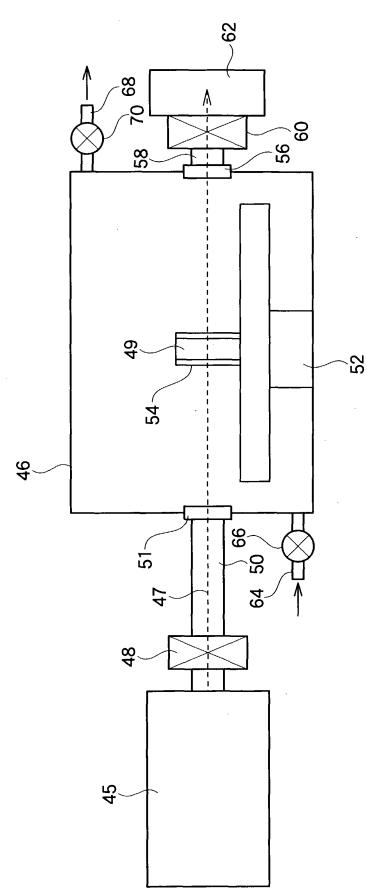


Fig. 13

Fig. 14

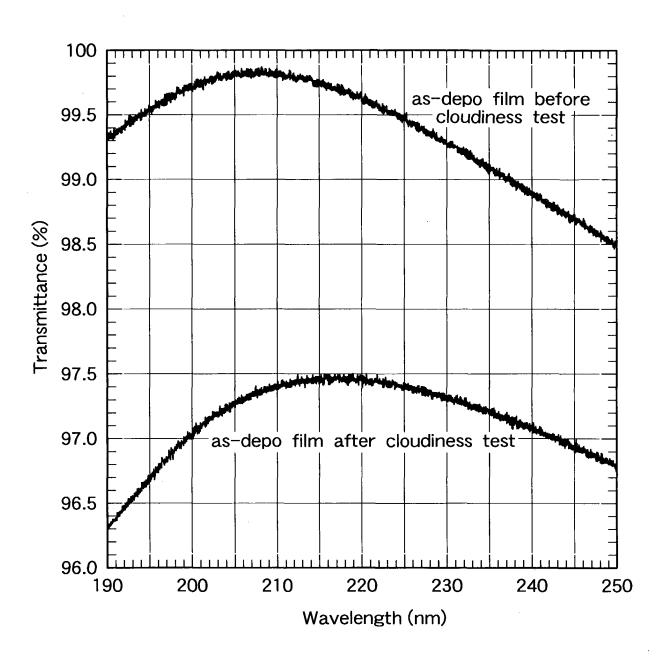


Fig. 15

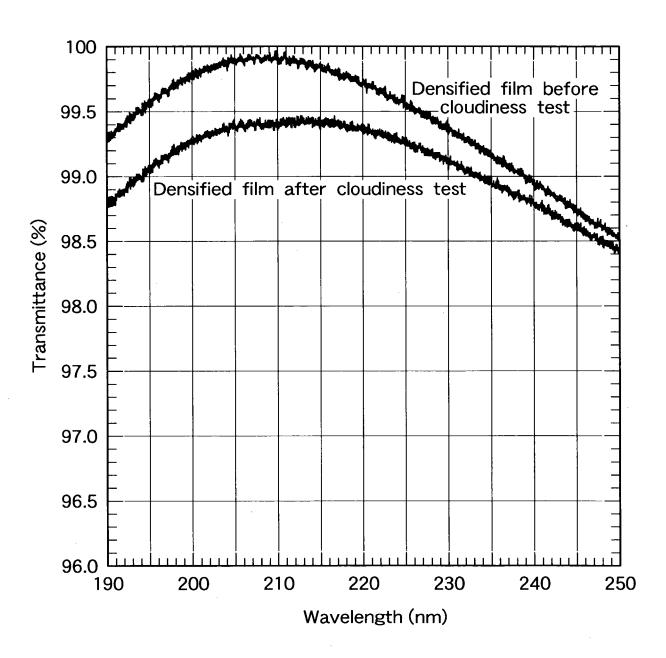


Fig. 16

